

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  <b>LACK OF POWER DURING FULL-THROTTLE ACCELERATION AFTER COLD START</b>	<b>Bulletin No.: 01-014/22</b>
	<b>Last Issued : 11/14/2022</b>

## BULLETIN NOTES

### APPLICABLE VIN(S)/MODELS:

2023 CX-50 (with 2.5T) with VINS lower than 7MMVA\*\*\*\*\*113061 (produced before August 3, 2022).

## DESCRIPTION

Some customers may complain of lack of power during full-throttle acceleration after cold start. A check engine light may turn on for misfire caused by temporary over rich fuel injection. This concern only occurs with the condition that the coolant temperature at the time of engine start is about 32°F (0°C) or less. This is caused by improper control software of the PCM. To eliminate this concern, the control software of the PCM has been modified.

Customers having this concern should have their vehicle repaired using the following repair procedure.

## REPAIR PROCEDURE

1. Verify the customer concern.
2. Reprogram the PCM using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

## NOTE:

- Reprogramming is not necessary if current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix.
  - The parameter "Battery State of Charge (SOC)" is reset during PCM reprogramming procedure.
  - Since the SOC value is necessary when performing "Battery condition initialization setting" after PCM reprogramming to decide whether battery charging is necessary or not, measure and record the PID "BATT\_SOC" first by using M-MDS Data logger function before reprogramming the PCM.
  - After the reprogramming, pending DTC P2610:00 [PCM] may be stored without MIL illumination. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work is done.
3. After PCM reprogramming, conduct the battery condition initial setting (i-stop setting) according to the instructions in MGSS (BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING)).
  4. Clear the DTC and turn the ignition off and get out of the car.

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5. Close and lock the door then wait ten minutes or more.

6. Verify the repair by starting the engine and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

**NOTE:** If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.

## CALIBRATION

File Name
PXAC-188K2-F

## WARRANTY INFORMATION

### NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Federal Emissions Warranty for 8 years/80K miles.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	08
Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	0
Operation Number / Labor Hours:	XXW7CXFX / 0.3 Hrs.

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